OptiSheath® MDU Splitter Terminal

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Features and Benefits

Indoor and outdoor rated
Variety of deployment options

Four to 32 ports in a single, low-profile footprint
Aesthetically pleasing

Preterminated pigtails
Simplifies splicing of drop cables

Built-in mounting provisions for interior and exterior surfaces, including siding
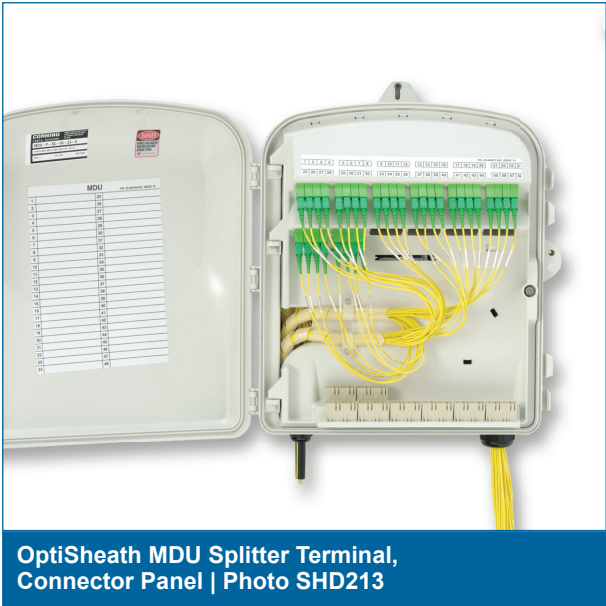Ease of deployment

Protective U-Guard covering
Metal U-Guards accessories are available for protecting incoming cable

The OptiSheath® MDU Splitter Terminal is a rugged, low-cost, low-profile interconnect between the central office feed and the indoor/outdoor drop cables for multidwelling unit applications. It simplifies the MDU installation by reducing the materials, complexity and space required to turn up service. A single housing combines the functionality of a local convergence cabinet with an MDU terminal.

The multilayer design allows installers to access only the components necessary for initial installation or subscriber turn-up, while a protected layer houses the splitter module and allows for pigtail splicing of distribution/drop cables as needed. 1x4, 1x8, 1x16 and 1x32 splitters are available, as well as dual 1x4, dual 1x8 and dual 1x16 splitters. Integrated parking with pre-routed splitter legs are parked in place by the factory. All splitter modules are compatible and interchangeable with all OptiTect® Local Convergence Cabinets, Gen III Series and the Eclipse® Hardware family.

Standards

Design and Test Criteria	Modules meet applicable sections of GR-1209-CORE and GR-1221-CORE and each module features connectorized inputs and outputs
Approvals and Listings	UL-Listed
Telcordia - Meets	Terminals meet applicable sections of Telcordia GR-771

OptiSheath MDU Splitter Terminal | Photo SHD212

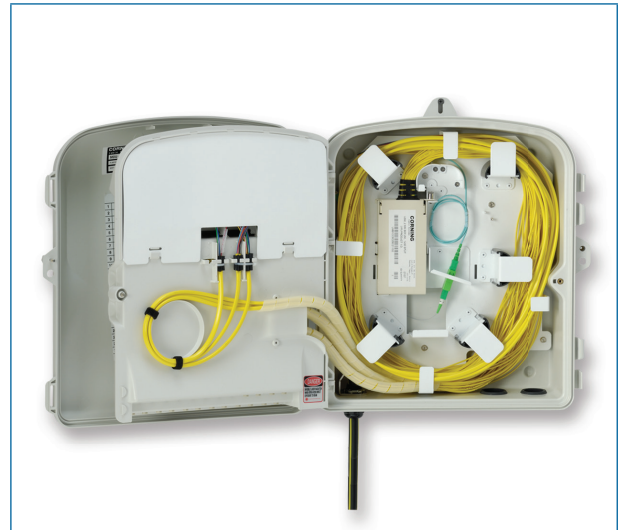**OptiSheath MDU Splitter Terminal, Connector Panel | Photo SHD213**

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OptiSheath® MDU Splitter Terminal

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OptiSheath MDU Splitter Terminal, Splice Compartment | Photo SHD214

OptiSheath MDU Splitter Terminal, Standard Splitter Module Configuration | Photo SHD215

Specifications

Weight	3 kg (6.5 lb)
Dimensions (HxWxD)	41.4 cm x 37.1 cm x 15.2 cm (16.29 in x 14.59 in x 6.0 in)
Subscriber Connection	4, 8, 16 or 32
Door	Single-hinged door
Connectors	SC APC
Feeder Cable Type	Stubbed with FREEDM® Loose Tube Indoor/Outdoor Cable, 4-Fiber
Drop Connection	Splice-in drops to preconnectorized distribution
Maximum Number of Splitter Inputs	4
Color	Almond
Mounting Type	Wall-Mountable

1x32 Splitter Module	
Module Size	63 mm x 23 mm x 125 mm
Insertion Loss, Typical	15.70 dB
Insertion Loss, Maximum	17.10 dB
Return Loss	> 55 dB
Wavelength Range	1260-1360 and 1480-1625 nm

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OptiSheath® MDU Splitter Terminal

1x32 Splitter Module

Uniformity	1.5
Directivity	> 55 dB
PDL	0.3

Dual 1x16 Splitter Modules

Module Size	63 mm x 23 mm x 125 mm
Insertion Loss, Typical	12.90 dB
Insertion Loss, Maximum	14.00 dB
Return Loss	> 55 dB
Wavelength Range	1260-1360 and 1480-1625 nm
Uniformity	1.2
Directivity	> 55 dB
PDL	0.3

1x4 and Dual 1x4 Slim Splitter Modules

Module Size	63 mm x 11.5 mm x 125 mm
Insertion Loss, Typical	6.70 dB
Insertion Loss, Maximum	7.40 dB
Return Loss	> 55 dB
Wavelength Range	1260-1360 and 1480-1625 nm
Uniformity	1.0
Directivity	> 55 dB
PDL	0.2

1x8 and Dual 1x8 Slim Splitter Modules

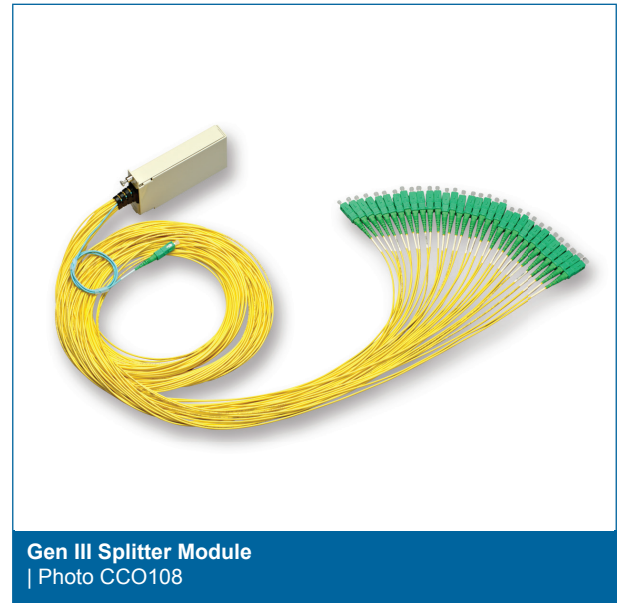|	
Module Size	63 mm x 11.5 mm x 125 mm
Insertion Loss, Typical	9.80 dB
Insertion Loss, Maximum	10.50 dB
Return Loss	> 55 dB
Wavelength Range	1260-1360 and 1480-1625 nm
Uniformity	1.0
Directivity	> 55 dB
PDL	0.2

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General III Splitter Modules

Features

- First with bend-improved fiber on input and output legs (ITU-T G.657.A compliant)
- Field-proven performance
- GR-1209 and GR-1221 qualified
- GR-326 certified connectors
- Robust housing protects module during installation and throughout product life
- Slim module is half the thickness of a full-size module to maximize terminal density; module is shipped with mounting bracket

Gen III Splitter Module
| Photo CCO108

Ordering Information

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1 | **2** | **3** | **4** | **5** | **6** | **7**

1 Select input fiber count.

00 = Stubless
04 = 4-fiber stub
12 = 12-fiber stub

2 Select input cable length.

00 = Stubless
31 = 31 m (100 ft)
92 = 92 m (300 ft)
F3 = 150 m (500 ft)
W5 = 305 m (1000 ft)

3 Select number of ports.

04 = 4 ports
08 = 8 ports
16 = 16 port
32 = 32 ports
See note.

4 Select cable type.

00 = No input pigtails
BB = Loose tube pigtails, (stubless version only)
UF = FREEDM LT indoor/outdoor
BZ = FR SST flat drop LT
BF = RPX furcation flat drop ribbon (<18 ft)
C7 = Ribbon riser

5 Select splitter module input type.

00 = Connectorized to feeder cable (standard)
01 = Spliced to feeder stub

6 Select splitter module type.

A = 1x32 (32 output)
D = Dual 1x16 (32 output)
E = Dual 1x8 slim (16 output)
F = 1x8 slim (8 output)
H = 1x4 slim (4 output)
J = 1x16 (16 output)
I = Dual 1x4 slim (8 output)
See note.

7 Select splitter module quantity.

1 = 1 splitter module
2 = 2 slim splitter modules

Note: Port count must match splitter output count.

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Accessories

Part Number	Product Description	Units per Delivery	
MDU-SLACK-KIT	Slack Storage Unit for MDU	1/1	
MDU-SKRT-U3	Metal, Protective U-Guard for incoming cable	1/1	
MDU-CC-BT-KIT	ClearCurve® Cable 4.8mm Rugged Drop MDU Installation Kit* (quantity for 10 MDU's)	1/1	

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Related Products

ClearCurve® Drop Cable Assembly   EVO-786-EN

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